

SEEDINGITEM 210PART 1 - GENERAL

WORK INCLUDED: (Sec. 01) Prepare the ground surface and seed areas disturbed by the construction, including areas that may be noted on the Drawing, or directed by the Resident Representative.

RELATED WORK: (Sec. 02) Furnished/paid for in respective Item:

Topsoil

DESCRIPTION: (Sec. 03) This Item includes surface preparation, fertilizing, seeding, rolling, mulching, maintenance, and fertilizing and reseeding of areas where prior seedings have not been successful. Seeding of areas specifically included for payment in other Items is not included here.

QUALITY ASSURANCE: (Sec. 04) All materials shall be new and of the best quality.

REFERENCES: (Sec. 05)

ODOT - Ohio Department of Transportation, Construction and Material Specifications

PAYMENT: (Sec. 06) Square Yards

WARRANTY: (Sec. 07) See General Conditions.

PART 2 - PRODUCTS

MATERIALS: (Sec. 08) Seed Mixture and Sowing.

The seed mixture will depend upon the location, time of year and weather, but in general may be blended as follows. Mixture percentages are by weight.

<u>LOCATION</u>	<u>PLANTING DATES</u>	<u>MIXTURE</u>	<u>RATE</u>
A. Residential areas, lawns	March 15 - August 1	40% Kentucky Bluegrass 60% Turf Fescue	Five pounds per 1000 square feet
	August 1- November 15	30% Kentucky Bluegrass 70% Turf Ryegrass	Five pounds per 1000 square feet
B. Treatment, plants, lift stations, etc.	March 15 - August 1	50% Kentucky Bluegrass 50% Turf Fescue	Five pounds per 1000 square feet

	August 1 - November 15	40% Kentucky Bluegrass 60% Turf Fescue	Five pounds per 1000 Sq.Ft
C. Mowed slopes 3:1 and flatter	March 15 - November 15	70% Kentucky Bluegrass 31 Fescue 30% Kentucky Bluegrass	Five pounds per 1000 Sq. Ft
D. Slopes 2-1/2:1 and steeper	March 15 - September 1	50% Crown Vetch 50% Annual Ryegrass	One pound per
E. Inside slopes of reservoirs and lagoons under water all or part of the time	March 15 - November 15	100% Kentucky 31 Fescue	Four pounds per 1000 square feet

Starter Fertilizer: Liquid or granular, 24-18.5 formula.

Mulch: Wheat or oats straw, free of weed seeds.

Hydro-Seeding: Hydro seeding maybe performed in lew of mulching with straw.

Emulsion: Asphalt, ODOT 702.04, non-toxic to plants, will not change in transportation or storage.

PART 3 - EXECUTION

SURFACE PREPARATION AND FERTILIZING: (Sec. 09) Work the surface of the topsoil into a fine seedbed. Remove rubbish, twigs, pieces of bark, and all stones three-quarters inch in diameter and larger. Apply starter fertilizer, applied at rate recommended by the manufacturer. Work granular fertilizer into seedbed to a depth of about one inch. Sow seed immediately after preparation of seedbed. Blend seed mixtures thoroughly and sow dry or hydraulically over prepared areas at the prescribed rate. Rake seed to one-quarter inch depth and roll with roller. Rolling may be omitted, with the permission of the Resident Representative, when such a procedure would be detrimental to the seeded area.

MULCHING: (Sec. 10) Immediately after seeding and rolling, apply straw mulch at rate of 100 pounds per thousand square feet. Wet straw down to prevent loss of mulch by wind. Tie straw mulch in place on slopes where erosion will be a problem.

The Contractor may, at his option, apply emulsion at a rate of 120 gallons per acre, instead of wetting the mulch. The Contractor may, at his option, substitute yarn and biodegradable paper erosion control fabric with uniform openings. The fabric shall be protected during outdoor storage and installed according to manufacturer's instructions.

MAINTENANCE: (Sec. 11) The Contractor is responsible for watering and cutting grass in residential areas and seeded areas of treatment plants and lift stations until the final estimate is

paid. Owner will furnish water at the nearest available place at no cost to the Contractor. The Contractor shall furnish pipe and hoses as required.

Restore areas outside of the permanent rights-of-way and where the natural surface has been disturbed for the convenience of the Contractor to its original condition and if seeding is required, it shall be done at the Contractor's expense.

If at any time before the expiration of the Contract Bond (usually one year after date that final payment is made) any part of the seeded area is not in good condition, the Contractor shall at his expense fertilize and reseed as often as necessary to get a good stand of grass.